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(74) Agents: **FUKUDA, Kenzo** et al.; Kashiwaya Bldg., 6-13,
Nishishinbashi 1-chome, Minato-ku, Tokyo 105-0003 (JP).

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(71) Applicant (*for all designated States except US*): **SHOWA DENKO K.K.** [JP/JP]; 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 (JP).

(72) Inventors; and

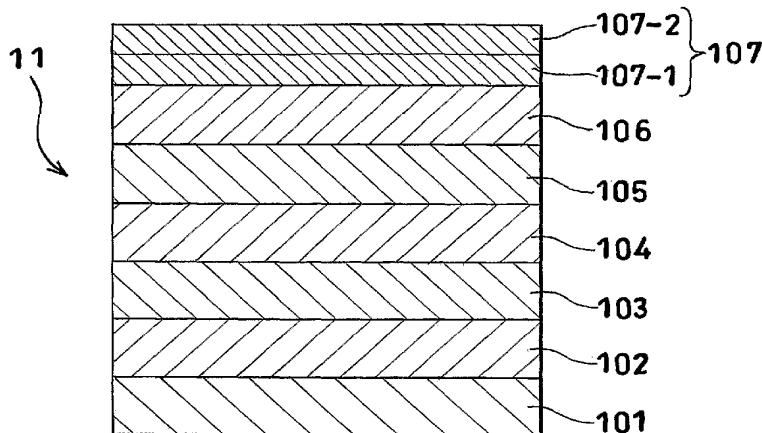
(75) Inventors/Applicants (*for US only*): **KOBAYAKAWA, Masato** [JP/JP]; c/o Showa Denko K.K., 5-1, Yawata Kaigan dori., Ichihara-shi, Chiba 290-0067 (JP). **TO-MOZAWA, Hideki** [JP/JP]; c/o Showa Denko K.K., 5-1, Yawata Kaigan dori., Ichihara-shi, Chiba 290-0067 (JP). **MIKI, Hisayuki** [JP/JP]; c/o Showa Denko K.K., 5-1, Yawata Kaigan dori., Ichihara-shi, Chiba 290-0067 (JP).

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(54) Title: GALLIUM NITRIDE-BASED SEMICONDUCTOR DEVICE



(57) Abstract: A gallium nitride-based semiconductor device has a p-type layer that is a gallium nitride compound semiconductor layer containing a p-type impurity and exhibiting p-type conduction. The p-type layer includes a top portion and an inner portion located under the top portion. The inner portion contains the p-type impurity element and, in combination therewith, hydrogen.

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